# <image>

StageDex is based on a special extruded aluminium profile. The top board is glued to the frame to reduce noise and vibration. All decks are available in metric and imperial sizes.

### **TOP LINE SERIE**

STAGEDEX

- Internal reinforcement of corner
- Standard spigot entry on the topside of the deck to attach EasyRail system
- Birch plywood, water resistant quality
- Glued in 15 mm wooden plate
- Non-slid hexagon layer
- Loading capacity 750 kg/m<sup>2</sup>

Photo: Rigging Services, UK. Project Galleries Lafayette

- Top option; Birch plywoood, unfinished, indoor use only.
- Top option; Birch plywoood, clear varnish, indoor use only.
- Top option; Birch plywoood, black coating, indoor use only.
- No reinforced corner solution.
- Glued in 15 mm wooden plate.
- Loading capacity 750 kg/m<sup>2</sup>

### **BASIC LINE SERIE**





**SM-D-T** Birch plywood non slid top layer, non permanent outdoor use



Topline frame, reinforcement corner





SM-DL-U

Birch plywood, unfin-

ished, indoor use only

**SM-DL-C** Birch plywood, clear varnish, indoor use only



**SM-DL-B** Birch plywood, black coating, indoor use only



### SPECIAL TOP OPTION

- Luxurious transparent decks for special applications. The transparent top board is made from durable, scratch-resistant Acrylic.
- Load capacity 500 kg/m<sup>2</sup>
- Can be combined with regular StageDex.
- Clear / acrylic top plate
- Frosted / acrylic top plate
- Maximum allowable temperature 70°C



1. Choose a top line frame to have the advantages of a topbased spigot entry, which allows simple and efficient mounting of handrails.



2. The universal leg fitting can hold square as well as round types of legs and fixates with one simple handle. The multifunctional profile offers several add-ons.









SM-DL-D Clear SM-DL-DF Frosted



TAGEDEX TECHNICAL SPECIFICATIONS AND A ALLOWABLE LOADS

Allowable loading for different leg types						
LEG TYPES	UNIFORMLY DISTRIBUTED LOAD kg/m <sup>2</sup>					
STAGE HEIGHT IN CM	80 cm	100 cm	120 cm	160 cm	180 cm	
<b>StageDex:</b> Tube 43 x 3 (EN AW 6082 T6)	750	500	500	350	n.a.	
LiteDeck: Tube 48 x 4 (EN AW 6082 T6)	750	750	500	500	350	
Profile 40 x 40 x 3 (EN AW 6082 T6)	750	500	500	500	350	
Tube 48 x 3 (S235JR)	450 < 800	) 8	800 < 1200 1200		< 1400	
Telescopic leg	mm		mm		mm	
	750 kg		500 kg	35	350 kg	

= Prolyte standard tube

n.a. = not allowed

all data based on a standard deck of 2 x 1m

Calculated with 1/10 of the vertical load transfered into a horizontal load (conform DIN 15921 / EN 13814)

Loading types (for all decks except Acrylic)		
Uniformly distributed load	750 kg/m²	
Pointload F1	350 kg	
Pointload F2	210 kg	
Pointload F3	500 kg	

The pointload should be applied to a minimum area of 50 x 50 mm. Pointload to be placed as indicated on drawing. 1 pointload total allowed.

DO

- Check to ensure the stage floor is properly aligned and completely level.
- Check the application conditions of your stage, as the type of use is directly related to safety issues like handrails.
- Brace your staging legs when needed for stability.
- Make sure all stage elements are interconnected.
- Take notice of local regulations for stages and allowed purposes.
- Store StageDex upside down to decreases setup time.
- Maintain your StageDex at regular intervals.
- Inform your crew beforehand on safety procedures (like evacuation procedures) in case of emergency situations.
- Make sure your construction is properly grounded.

### DO NOT

- Use materials in poor condition, the payload might be reduced substantially.
- Apply loads before knowing their exact weight and size.
- Exceed the maximum allowable load.
- Use unfinished StageDex top board in outside conditions.
- Exceed the maximum building height of the stage or its support frame.
- Use the hang-on profile without reducing the maximum allowable payload.
- Build your stage on unstable ground.
- Use StageDex elements as ballast for your roof without using the proper support frame.

### **NEED TO KNOW MORE?**

Please go to www.prolyte.com for more technical information on StageDex systems, manuals and loading tables. In the Prolyte BlackBook (technical background information) we provide more in-depth technical knowledge on stages and stage floors.

Technical Specifications				
Types	standard, standard arched, basic			
Frame	Aluminium (EN AW 6063 T6)			
Top board	Plywood			
Legs	48 x 3 mm (EN AW 6082 T6)			
Legs with adjustable feet	48 x 3 mm (EN AW 6082 T6), with steel spindle on pvc base			
Telescopic leg	48 x 4 / 60 x 5 mm (EN AW 6082 T6)			
Maximum load	750 kg/m <sup>2</sup> UDL			
Self weight	35,6 kg			



# STAGEDEX STAGING MODELS





### **USE YOUR IMAGINATION**

What if the systems flexibility would not limit your imagination in designing and building staging constructions? StageDex offers endless flexibility to create the designs you require, a variety of standard sizes and shapes as well as easy and often tool less mounting makes construction an easy task.



### **CIRCULAR STAGES**

Prolyte is able to fabricate circular stages that are actually based on curved segments. Each section or segment is handbuild by our craftsmen, therefore small differences in size and shape may occur.



### **STANDARDS**

Standards that apply to stages and temporary constructions:

DIN EN 1990 / Eurocode O	Basis of structural design
DIN EN 1991 / Eurocode 1	Actions on structures
DIN EN 1993 / Eurocode 3	Design of steel structures
DIN EN 1995 / Eurocode 5	Design of timber structures
DIN EN 1999 / Eurocode 9	Design of aluminium structures
DIN EN 13814	Fairground and amusement park machinery and structures - safety
DIN 15921	Entertainment technology - Aluminium platforms and frames - Safety requirements and testing

## STAGEDEX LEG TYPES

The StageDex leg attachment system provides a straightforward yet ingenious engineering solution that assures fast, safe stage constructions.

- No tools needed
- The legs are fitted to the deck frame and are fixed in position by one simple handle
- Round as well as square legs can be mounted in the leg attachment system

Notice: The types of legs, and the length of the legs that are used, will determine the amount of loading that is allowed. Be sure to always check the loading table before you apply any loads to the decks.





STANDARD LEGS Round aluminium tube 48 x 3 mm in heights of 200-1000 mm. Code: SM-L-••A

ADJUSTABLE LEGS Round aluminium tube 48 x 3 mm in heights of 200-1000 mm, with adjustable feet. Maximum angle of 5°. Code: SM-L-••A-ADJ





### LEGS WITH FITTED CASTORS

Round aluminium tube 48 x 3 mm in heights of 300-1000 mm, with castor or castor with break. Maximum of 160kg per leg with castor. Code: SM-L-••-CAS-01 = single leg with castor SM-L-••-CAS-02 = single leg with castor/brake SM-L-••-CAS-03 = double leg with castor

SM-L-••-CAS-04 = double leg with castor/brake



### **TELESCOPIC LEGS**

StageDex unique telescopic leg combines adjustable height and high loading capacity.

- Sturdy road-rugged mechanism
- · Build-in tape measure for easy mounting

### **HOW DOES IT WORK?**

- Release the two M10 hexagon socket head screws or crank handles.
- Extend the leg to its required length
- Lock the leg at both positions to guarantee optimal grip of the telescopic mechanism
- Measurements on the inside of the profile indicate the total length of the leg and safe operating areas
- · Rubber leg caps prevent damage to your flooring system

TELESCOPIC LEGS - Standard available Lengths and Codes		
CODE	Description	
SM-L-45/60-ADJ	Telescopic leg 600-900 mm	
SM-L-60/90-ADJ	Telescopic leg 600-900 mm	
SM-L-90/140-ADJ	Telescopic leg 900-1400 mm	
SM-L-ACC-01	Crank M10x25 for telescopic leg.	
	This can be used instead of the screws.	

# STAGEDEX RAMP



### **STAGEDEX RAMP**

Designed to further expand the possibilities of the StageDex range, the multipurpose StageDex Ramp offers a perfect solution for rolling equipment on and off stage, wheelchair access, or more creative applications such as car shows, walkways and fashion catwalks.

The StageDex Ramp comprises of three basic elements:

- Standard StageDex staging
- Adjustable legs fitted with stabilizers (SM-RP-L-ADJ-...)
- Aluminium side profiles (SM-RP-BE2)

The specially designed side profiles have been engineered to absorb the forces from heavy loads, such as cars, meaning the StageDex Ramp can withstand up to 750 kg/m - the same allowable loading as standard StageDex staging.

The Ramp has a standard sloping angle of 7,5 degrees, but is adjustable between 0 and 22 degrees using a plate connected to the legs. This system ensures the resulting forces from loading are transferred at the correct angle into the leg. Notches on top of the profiles keep the staging in place once the ramp is built. A standard coupling profile allows the sloping section to be connected to staging at either end.

